

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 1 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: Original	Replaces: N/A	Effective: 01/01/03

1. Purpose:

To provide a listing of PDP identified required compounds for wheat.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories analyzing wheat for PDP. This SOP shall be used in conjunction with SOP PDP-QC-13 which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Wheat Multi-residue Screens
- 5.2 Marker Pesticides for Wheat Multi-residue Screens

4. References:

- ? PDP Program Plan January – June 2003
- ? SOP PDP-QC-13, “Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings”
- ? Pesticide Chemical News Guide, September 1, 2002
- ? PDP Federal/State Meeting, October 22-23, 2002

5. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 2 of 7
Title: Commodity Specific Requirements for Wheat		
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5.1 Compounds Required for Wheat Multi-residue Screens

Wheat Compound	Reported As	PestCode
1,2,4-triazole		
3-Hydroxycarbofuran		512
Acetochlor		807
Allethrin		002
Atrazine		305
Bromuconazole 46		
Bromuconazole 47		
Carbaryl		102
Carbofuran		180
Carboxin		210
Carfentrazone ethyl		B21
Chlorpyrifos		160
Chlorpyrifos methyl		235
Clodinafop propargyl		
Clofencet		
Cloquintocet mexyl		
Cyanazine		228
Cyfluthrin		781
Cyproconazole		
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Diclofop methyl		299
Dieldrin		028
Difenoconazole		ABK
Dimethoate		171
Dimethomorph		ABE
Disulfoton		117
Disulfoton sulfone		216

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 3 of 7
Title: Commodity Specific Requirements for Wheat		
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Wheat Compound	Reported As	PestCode
Diuron		032
Endosulfan I		900
Endosulfan II		901
Endosulfan sulfate		902
Epoxyconazole		
Ethephon		730
Etridiazole		722
Fenbuconazole		A30
Fenitrothion		391
Fenitrothion O-analog		648
Flucarbazone sodium		
Fludioxonil		B23
Flufenacet		
Fluridone		736
Heptachlor epoxide		143
Hexaconazole		954
HWG 2061 (metabolite of tebuconazole)		
Imazalil		604
Imazamox		ACA
Imidacloprid		967
Lambda cyhalothrin	Lambda cyhalothrin total	A39
Lindane		050
Linuron		129
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methomyl		159
Methoprene		ACV
Methoxychlor	Methoxychlor p,p' Or Methoxychlor (total combined)	275 055
Metolachlor		283

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 4 of 7
Title: Commodity Specific Requirements for Wheat		
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Wheat Compound	Reported As	PestCode
Metribuzin		181
Myclobutanil		679
Omethoate		178
Parathion		065
Parathion O-analog		370
Phorate		148
Phorate sulfone		189
Piperonyl butoxide		070
Pirimiphos methyl		562
Propanil		341
Propiconazole		264
RH-9129		
(metabolite of fenbuconazole)		
RH-9130		
(metabolite of fenbuconazole)		
RP 40486		
(metabolite of triticonazole)		
RP 406341		
(metabolite of triticonazole)		
TCMTB		793
Tebuconazole		A58
Tetraconazole		
Thiabendazole		157
Thiamethoxam		
Tralkoxydim		
Triadimefon		608
Triadimenol		638
Triallate		621
Triazole acetic acid		
Triazole alanine		
Trifluralin		151
Triticonazole		

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 5 of 7
Title: Commodity Specific Requirements for Wheat		
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5.2 Marker Pesticides for Wheat Multi-residue Screens

Marker pesticides established for wheat are those compounds designated as required compounds in this SOP, with the exception of those noted as “lab’s best” compounds.

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AG		Page 6 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: Original	Replaces: N/A	Effective: 01/01/03

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12/19/02

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**United States Department of Agriculture
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SOP No.: PDP-QC-13AG		Page 7 of 7
Title: Commodity Specific Requirements for Wheat		
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Original

October 2002

Monitoring Programs Office

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- ? Established multi-residue screening requirements for wheat based on current registrations
- ? Included additional conazole parents:
- bromuconazole (46 and 47)
 - cyproconazole
 - epoxyconazole
 - fenbuconazole
 - hexaconazole
 - tetraconazole
 - triticonazole
- ? Included conazole metabolites:
- 1,2,4-triazole
 - triazole alanine
 - triazole acetic acid
 - RH-9129 (metabolite of fenbuconazole)
 - RH-9130 (metabolite of fenbuconazole)
 - HWG 2061 (metabolite of tebuconazole)
 - RP 40486 (metabolite of triticonazole)
 - RP 406341 (metabolite of triticonazole)
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